AMALGAMATED WIRELESS VALVE CO. PTY. LTD.



AS157 AS158 AS159

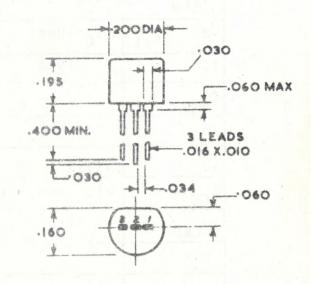
The AS157, AS158 and AS159 are P-N-P silicon planar epitaxial transistors in epoxy packages for use in A.F. and switching circuits.

The AS157 is a high voltage type. Both it and the AS158 are suitable for many applications in audio driver and pre-amplifier circuits and in signal processing circuits of television receivers.

The AS159 is a low-noise type intended for low noise input stages of audio frequency equipment.

All three are also intended as P-N-P complements for the AS147, AS148 and AS149.

DIMENSIONAL OUTLINE

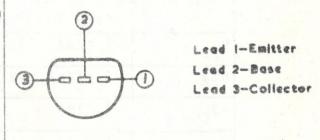


Dimensions in Inches

ABSOLUTE MAXIMUM RATINGS

THOUSE THAT TOTAL	11/11	11100		
	F	NS157	AS158	AS159
Collector-emitter Voltage -V _{CEO}	=	45	25	20 V
Collector-base Voltage -V _{CBO}	, =	50	30	25 V
Emitter-base Voltage -V _{EBO}	=	5	5	5 V
Emitter Current	. =	100	100	100mA

TERMINAL DIAGRAM



THERMAL RATINGS

Dissipation in an ambient temperature up to 25°C ---- 300mW max. Derate linearly to zero at 135°C .

During soldering lead temperature must not exceed 255°C for 10 Secs. max. within 1/16" of can. Storage temperature -25°C to 135°C .

SEPT. 1970.

PARAMETER	CONDITIONS	MIN.	TYP.	MAX.	UNITS
-I _{CBO}	-V _{CB} = 20V		1	100	nA
-I _{EBO}	-V _{EB} = 5V		.01	100	μА
	-I _C =10mA; -I _B =0.5mA			300	mV
f _T	-I _C =10mA; -V _{CE} =5V		150		MHZ
C _{b'c}	$I_{E} = 0; -V_{CB} = 10V$	alti baa	4.0		pF
	IMPOSE SELECTION OF THE PROPERTY OF THE PROPER	60 606	2011		
	AS157		82 1		
h _{FE}	$-I_{C} = 2mA; -V_{CE} = 5V$	60		570	
-V _{CEO}	- I _ = 1 m A	45	4 110		V
Swiften at the	AS158				
h _{FE}	$-I_C=2mA$; $-V_{CE}=5V$	60		570	
-V _{CEO}	-I _C =1mA	25			V
	AS159				
h _{FE}	$-I_C=2mA; -V_{CE}=5V$	95		570	
h _{FE}	-I _C =10μA; -V _{CE=5V}	80	30.3		32 [
-V _{CEO}	-I _C =1mA	20			V
NF	-I _{C=200μA;} -V _{CE} = 5V				
	$R_{\mathbf{B}} = 2K\Omega$; $\Delta f = 30Hz - 15KHz$		1.2	4	dB
	and the second s				
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